

ABSTRACT OF THE DISCLOSURE

An apparatus and method for implementing a transmission scheme employing intention is contemplated. At times, a switching device within a network may detect a fault, corruption, or congestion. When a switching device detects a fault, corruption, or congestion, it may drop one or more packets to resolve the fault, corruption or congestion. When a packet is dropped, the switching device that dropped it may create an intention packet that corresponds to the dropped packet. The switching device may then route the intention packet to the destination device specified by the dropped packet. The intention packet may be routed along a different route than the original route specified by the dropped packet. The intention packet may be much smaller than the dropped packet and may include parts of a portion of the dropped packet. The intention packet may also record the route it takes to get to the destination device. A device may react to receiving an intention packet based on the information in the intention packet as well as its own characteristics.